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COLOR - RESOLUTION - 3

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SITE NAME	RIVERDALE CHEMICAL CO
DOC ID #	151876
DOCUMENT VARIATION	___ COLOR OR <u>X</u> RESOLUTION
PRP	RMD - RIVERDALE CHEMICAL CO
PHASE	AR
OPERABLE UNITS	
PHASE (AR DOCUMENTS ONLY)	___ Remedial ___ Removal ___ Deletion Docket ___ <u>X</u> Original ___ Update # ___ Volume <u>2</u> of <u>2</u>
COMMENT(S)	

**Tetra Tech EM Inc.**

200 E. Randolph Drive, Suite 4700 ♦ Chicago, IL 60601 ♦ (312) 856-8700 ♦ FAX (312) 938-0118

13 July 01

Ms. Callie Bolattino
On-Scene Coordinator
Office of Superfund
U.S. Environmental Protection Agency Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: Letter Report
Riverdale Chemical Site, Chicago Heights, Illinois
Contract No. 68-W0-0129, TDD No. S05-0104-003

Dear Ms. Bolattino:

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) has prepared this letter report in accordance with the requirements of the above-referenced technical direction document (TDD), which the U.S. Environmental Protection Agency (U.S. EPA) assigned to START. The scope of this TDD was to conduct oversight of the excavation of 15 pits for the purpose of removing contaminated soils at the Riverdale Chemical site in Chicago Heights, Illinois. The removal action was conducted by the potentially responsible party's contractor, RMT, Inc. (RMT). START was also tasked to document on-site activities with field logbook notes, still camera photographs, and a letter report.

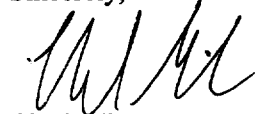
On 28 and 29 Jun 01, RMT conducted excavation activities at the site to remove contaminated soils from 14 of 15 "hot spots". Fourteen excavated pits were labeled EX-1 through EX-14, and one additional, small pit excavated near EX-1 was labeled EX-1a. RMT informed START that the last pit, EX-15, would be excavated in the central portion of the site property at a later date because of its proximity to railroad tracks scheduled to be removed during other excavation activities. During the removal actions, RMT also removed approximately 6 inches of surface soil from a small wetland in the southeast portion of the property. Enclosure 1 contains a photographic log of removal action activities, and Enclosure 2 contains a copy of START's field logbook notes.

During the removal action, START observed that all but two pits (EX-3 and EX-14) were excavated to the U.S. EPA-approved dimensions. EX-3, which was to be excavated to 6 feet below ground surface (bgs), filled with water. After a failed attempt to pump out the water, RMT collected a soil sample from approximately 5 feet bgs to confirm that all contaminated soil had been removed. EX-14, which was to be 20 feet long, by 10 feet wide, and 6 feet deep, was only 12 feet long, by 6 feet wide, and 6 feet deep because of its proximity of overhead pipes and aboveground storage tanks. All the pits that were excavated to a required depth of 8 feet were marked at the bottom with orange fencing, and confirmatory samples were collected from the bottom of the pits.

Ms. Callie Bolattino
13 July 01
Page 2

If you have any questions or comments about this letter report or need additional copies, please contact me at (312) 946-6475 or Thomas Kouris at (312) 946-6431.

Sincerely,

A handwritten signature in black ink, appearing to read 'Chad Gibson', is written over the word 'Sincerely,'.

Chad Gibson
Project Manager

Enclosures (2)

cc: Lorraine Kosik, START Project Officer (letter only)
Thomas Kouris, START Program Manager (letter only)

ENCLOSURE 1
PHOTOGRAPHIC LOG
(Eight Pages)



Photograph No. 1
Orientation: East
Description: Extent of EX-2

Location: Riverdale Chemical Site
Date: 28 Jun 01



Photograph No. 2
Orientation: North
Description: RMT, Inc. (RMT) collecting EX-2 soil sample from excavator

Location: Riverdale Chemical Site
Date: 28 Jun 01



Photograph No. 3

Orientation: South

Description: Water entering EX-3 2 feet below ground surface (bgs)

Location: Riverdale Chemical Site

Date: 28 Jun 01



Photograph No. 4

Orientation: West

Description: RMT pumping water out of EX-3 at 2 feet bgs

Location: Riverdale Chemical Site

Date: 28 Jun 01



Photograph No. 5
Orientation: South
Description: Extent of EX-5

Location: Riverdale Chemical Site
Date: 28 Jun 01



Photograph No. 6
Orientation: Northeast
Description: EX-4 being backfilled with stone

Location: Riverdale Chemical Site
Date: 28 Jun 01



Photograph No. 7
Orientation: West
Description: Extent of EX-6

Location: Riverdale Chemical Site
Date: 28 Jun 01



Photograph No. 8
Orientation: Southwest
Description: RMT collecting soil sample from bottom of EX-3 (approximately 5 feet bgs)

Location: Riverdale Chemical Site
Date: 28 Jun 01



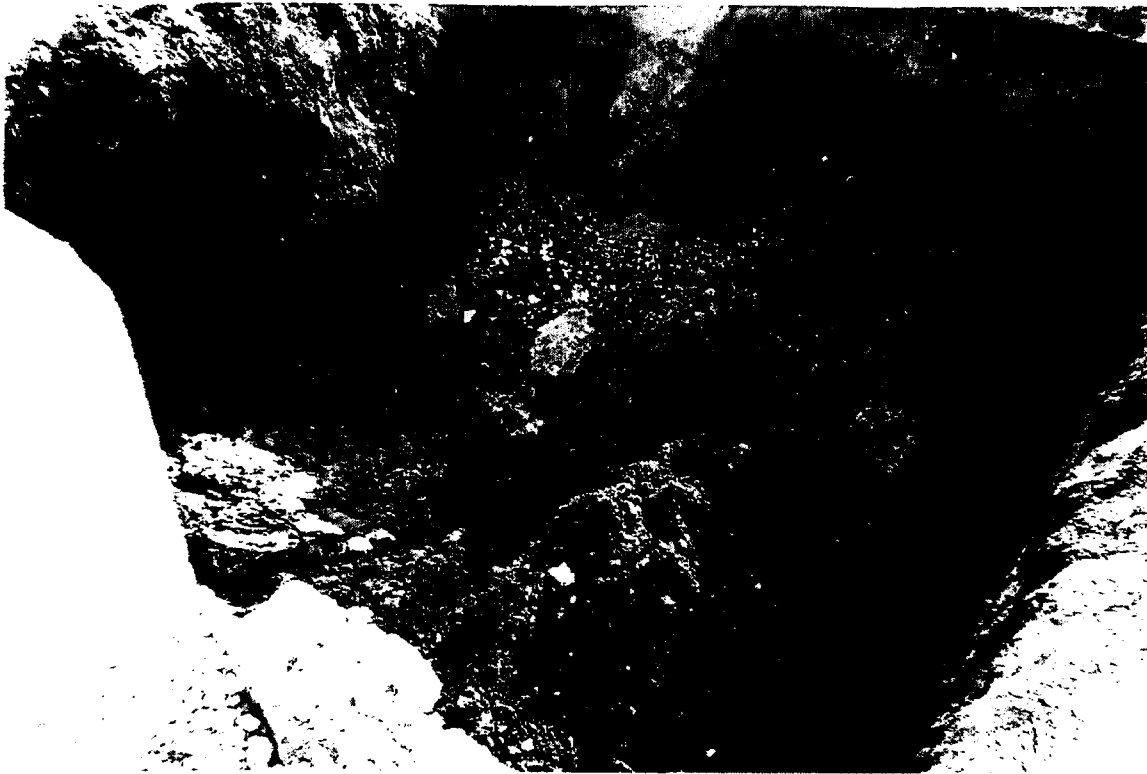
Photograph No. 9
 Orientation: Northwest
 Description: Excavation of EX-7

Location: Riverdale Chemical Site
 Date: 28 Jun 01



Photograph No. 10
 Orientation: East
 Description: Excavation of EX-12

Location: Riverdale Chemical Site
 Date: 29 Jun 01



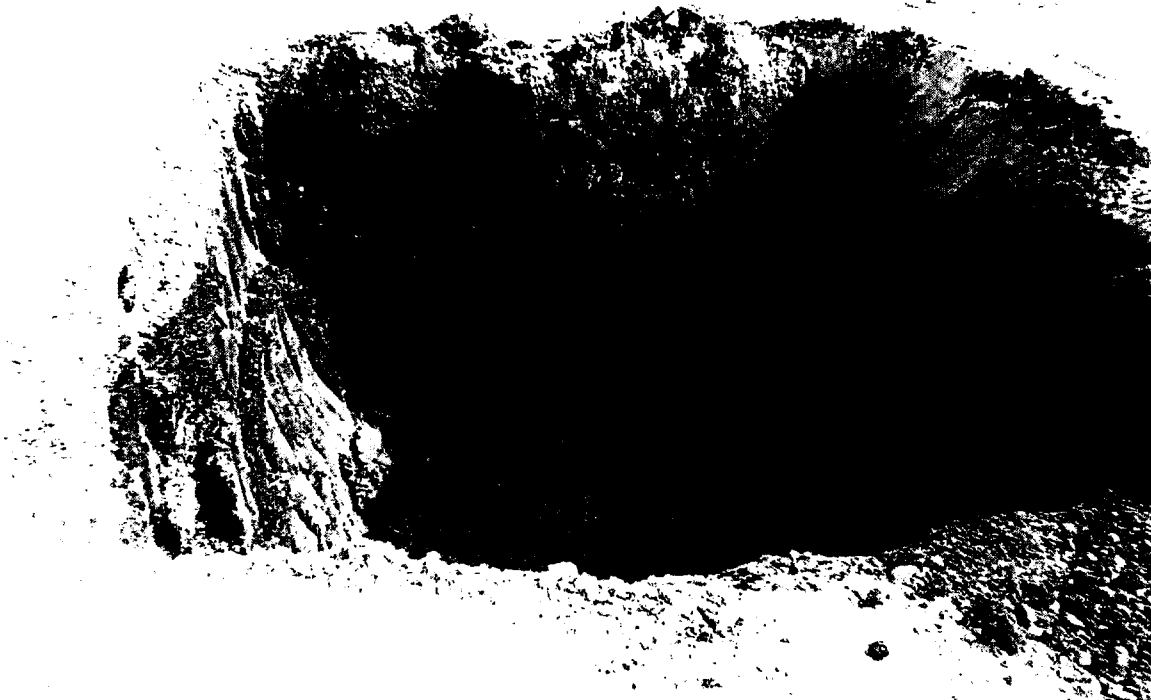
Photograph No. 11

Orientation: Northeast

Description: Uncovered piping containing oily sludge in EX-12

Location: Riverdale Chemical Site

Date: 29 Jun 01



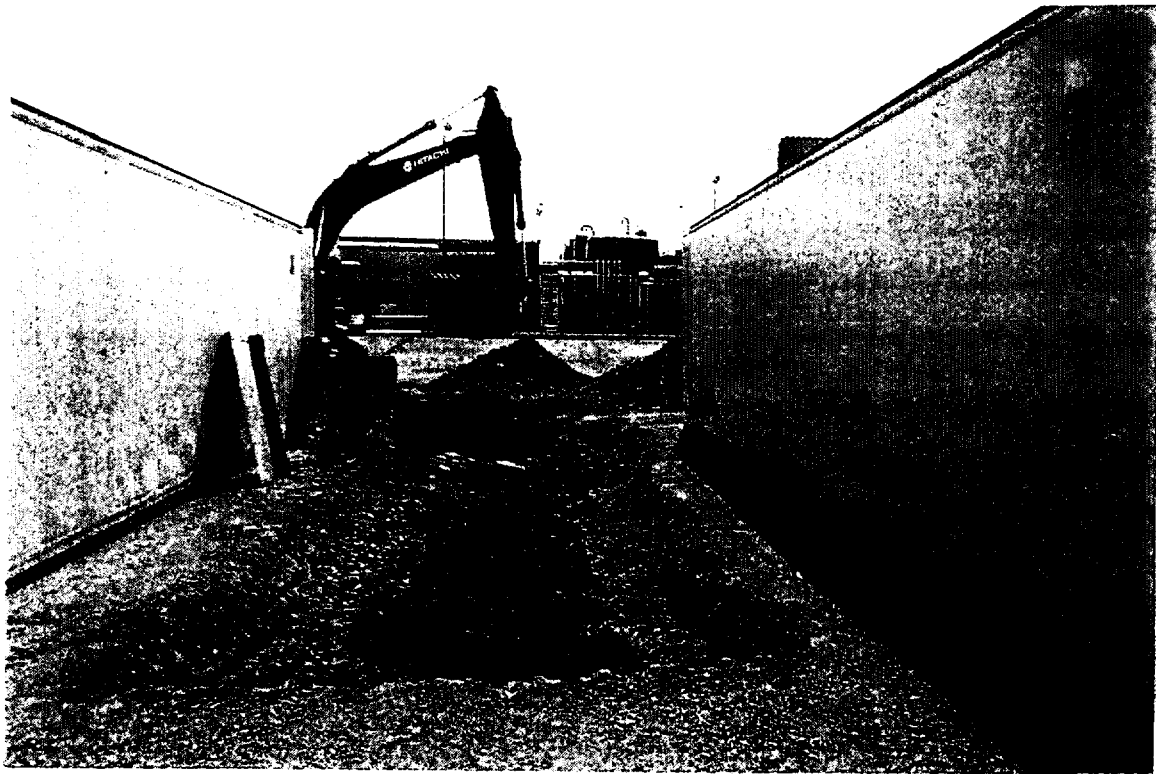
Photograph No. 12

Orientation: North

Description: Extent of EX-12

Location: Riverdale Chemical Site

Date: 29 Jun 01



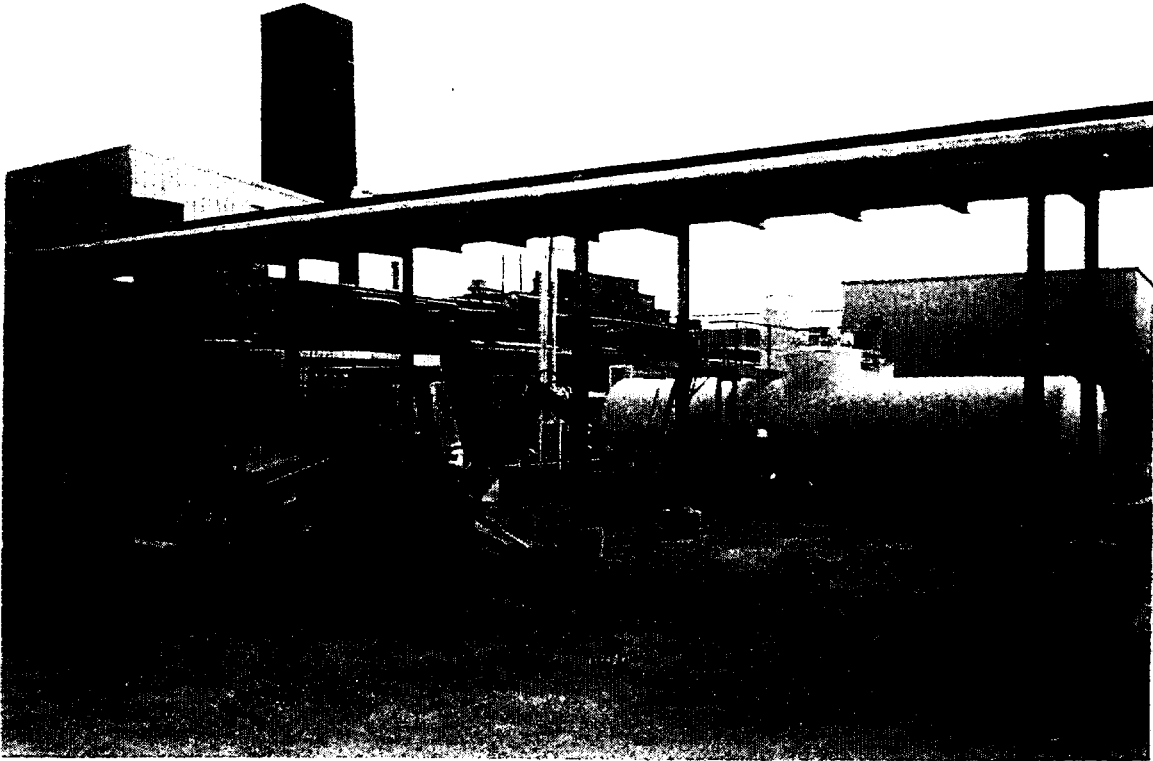
Photograph No. 13
 Orientation: East
 Description: Excavation of EX-13

Location: Riverdale Chemical Site
 Date: 29 Jun 01



Photograph No. 14
 Orientation: Southeast
 Description: Removal of approximately 6 inches of surface soil in wetland

Location: Riverdale Chemical Site
 Date: 29 Jun 01



Photograph No. 15
 Orientation: Northeast
 Description: Excavation of EX-14

Location: Riverdale Chemical Site
 Date: 29 Jun 01



Photograph No. 16
 Orientation: South
 Description: Extent of EX-14

Location: Riverdale Chemical Site
 Date: 29 Jun 01

ENCLOSURE 2

FIELD LOGBOOK NOTES

(Two Sheets)

Riviera 6-28-01

- 1010 - RMT began backfilling Ex-1 and continued excavation of Ex-3
- 1015 - Ex-3 excavator stopped once again because it filled with water again. Excavation of Ex-5 began.
- 1025 - Excavation of Ex-5 complete to 5 ft bgs. (See photo 5)
RMT also backfilling Ex-4 (See photo NE).
- 1035 - RMT backfilled Ex-5.
- 055 - RMT began pumping out water from Ex-3 again.
- 1105 - Excavation of Ex-6 began. Excavator will be to 8 ft.
- 1125 - RMT backfilled Ex-2. RMT also collected soil sample from bottom of Ex-6 at 8 ft depth.
- 1140 - Excavation of Ex-6 complete to 8 ft deep. (See photo W.) RMT placed ramp fence in bottom of Excavation.

Riviera 6-28-01

- RMT informed START that because previous samples in Ex-3 on S, E, and W sides only indicated contamination down to 2 ft and the N side was six, they would attempt to dig down to 6 ft only on N side of pit. RMT attempted to block water infiltration into Ex-3 and continued pumping.
- 1155 - RMT call not received Ex-3 from Gilling with water. It was decided to collect a sample from Approx 4' to 5 ft depth in hole (See photo SW).
- 1200 - Lunch
- 1245 - RMT backfilled Ex-3.
- 1300 - Excavation of Ex-7 began (See Photo NW).
- 1310 Ex-7 complete - 11 x 10 x 5 ft.
- 1320 - Excavation of Ex-8 began
- 1328 - Completed excavation of Ex-8. 10 x 10 x 3

Riverdale 6-28-01

1405 - START^{cc} RMT finished excavating for the day. RMT waiting for Stone to arrive to backfill pits. START off site.

Riverdale 6-29-01

- 0815 - START Lee Christensen on site. RMT completing Ex-11. RMT had completed Ex-9 and 10. Ex-9 was 8 ft bgs. RMT collected sample at Ex-9. Ex-10 went to a depth of 2 ft. Ex-11 went to 4 ft. bgs.
- 0825 - Excavation at Ex-12 began (See photo E). At approx. 4 ft. RMT uncovered a buried pipe with sludge/oil coming out. RMT will remove it and all surrounding soil and load it with all material going south. (See photo NE)
- 0845 - Ex-12 completed. Final dimensions 10'11" x 7'ft (See photo N).
- 0905 - RMT began Ex-13
- 0940 - Excavation of Ex-13. Photo E
- 0945 - Excavation of Ex-13 completed to a depth of 2 ft.
- [Signature]* 6-29-01

6-28-01

[Signature]

Revised 6-29-01

,000 - But huge digging
in 2 water cut
of welland on E side of
Facility.

,020 - But completed excavating
welland. Excavation Ex-14
began (See photo NE).

1474 ZC

1140 - Excavated Ex-14 completed
(See photo S) Ex-12 & 16. Ex-14

last pit to be excavated. The
ground pit Ex-15 will be
excavated week of 7/6/01 7/9/01
when rail road track adjust
to pit are removed.

1225 - 57441 of site.

1225